



National Aeronautics and Space Administration

Express Mailing Certificate No. EF775095726US

NASA Case No.: MSC-23153-1

**DECLARATION, POWER OF ATTORNEY AND PETITION BY THE ADMINISTRATOR
OR DESIGNEE AND STATEMENT OF INVENTOR(S) - ORIGINAL APPLICATION**

I, Dr. Daniel R. Mulville, declare that I am the Administrator, or X officially acting on behalf of the Administrator, of the National Aeronautics and Space Administration, whose Headquarters is resident in Washington, DC; that I am a citizen of the United States of America; that I declare the information given herein is true; that I believe the below-named inventor is the original, first and sole invention (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled .

Sensor and Method for Detecting a Superstrate

the specification of which
as Application Serial No. _____ X _____ is attached hereto,
_____ was filed on (Date)
and was amended on (Date).

I, as the Administrator, X or officially acting on behalf of the Administrator, have determined pursuant to the provisions of §305(a) of the National Aeronautics and Space Act of 1958, as amended, and 42 U.S.C. §2457(a), that the invention set forth in the foregoing specification and claims was made by a person described in paragraphs (1) or (2) of this subsection of the Act and under the conditions therein set forth, and has therefore become the exclusive property of the United States.

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Patent and Trademark Office all information which is known to me to be material to patentability as defined in 37 CFR §1.56.

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Serial No.) (Filing Date) _____, the status of which is _____ patented, _____ pending, _____ abandoned.

I hereby claim priority benefits under Title 35, United States Code §119(e) of any United States Provisional Applications listed below:

(Provisional Serial No.) _____, (Filing Date) _____, the status of which is _____ patented, _____ pending, _____ abandoned.

POWER OF ATTORNEY: I hereby appoint the following attorney(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Customer Number: 24957 OR

Registered practitioner(s) whose name/registration number(s) are listed below:

Name Registration No. Name

Hardie R. Barr 31,480 **Edward K. Fain** 31,550

James M. Cate 25-181 Sue H. Polk 36-422

John G. Mannix 27,254 **Gary G. Borda** 35,455

DRESS ALL CORRESPONDENCE AND TELEPHONE CALLS TO:

Customer Number _____, OR Correspondence Address listed below

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ress: NASA Johnson Space Center Telephone No.: (Complete number to be dialed from USPTO):

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NASA FORM 1539 Sep 99

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STATEMENT OF INVENTOR(S): As a named inventor, I declare that the information given herein is true; that I verily believe I am the original, first and sole inventor, if only one name is listed below, or a joint invention, if plural inventors are named below, of the invention or discovery described and claimed in the foregoing specification; that I acknowledge the duty to disclose to the Patent and Trademark Office all information which is known to me to be material to patentability as defined in 37 CFR §1.56; that I have read this instrument; I have reviewed and understand the contents of the specification and claims; and that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001; and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

FULL NAME OF INVENTOR	LAST Amdt	FIRST G.	MIDDLE OR INITIAL Dickey
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SIGNATURE	<i>H. Dickey Arndt</i>		DATE <u>1-17-2001</u>

FULL NAME OF INVENTOR	LAST Carl	FIRST James	MIDDLE OR INITIAL R.
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SIGNATURE	<i>James R. Carl</i>		DATE <u>1-17-2001</u>

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SIGNATURE	<i>Ngo Phong</i>		DATE <u>1/17/2001</u>

FULL NAME OF INVENTOR	LAST Fink	FIRST Patrick	MIDDLE OR INITIAL W.
RESIDENCE AND CITIZENSHIP	CITY Fresno	STATE OR FOREIGN COUNTRY Texas	COUNTRY OF CITIZENSHIP USA
POST OFFICE	STREET NO. AND NAME 4402 W. Thunderwood Circle	CITY AND STATE (OR COUNTRY) Fresno, Texas	ZIP CODE 77545
SIGNATURE	<i>Patrick W. Fink</i>		DATE <u>1/17/2001</u>

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FULL NAME OF INVENTOR	LAST Siekierski	FIRST James	MIDDLE OR INITIAL D.
RESIDENCE AND CITIZENSHIP	CITY Houston	STATE OR FOREIGN COUNTRY Texas	COUNTRY OF CITIZENSHIP USA
POST OFFICE	STREET NO. AND NAME 450 El Dorado Blvd., #1306	CITY AND STATE (OR COUNTRY) Houston, Texas	ZIP CODE 77598
SIGNATURE			DATE <u>1/22/01</u>

I, as the Administrator, X or officially acting on behalf of the Administrator, hereby declare that all statements made herein of my knowledge are true that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under 18 U.S.C. §1001; and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon; and as an official of the National Aeronautics and Space Administration, and pursuant to the authority granted by said Act, I hereby make application for, and pray that, Letters Patent be issued to the United States of America as represented by the Administrator of the National Aeronautics and Space Administration for said invention, and I hereby subscribe my name to the foregoing specification and claims, declaration, power of attorney, and this petition, this

9th day of FEBRUARY, 2001.

Name: Daniel R. Mulville

Signed:



National Aeronautics and Space Administration

Post Office Address:

National Aeronautics and Space Administration

Washington, DC 20546

Title: Associate Deputy Administrator

City of Washington
District of Columbia